

Claims:

1. Crushing device designed as a mobile or semi-mobile unit (1), in particular for use in open cast mining and in the recycling industry, with a feeding container (2), a feeding conveyor means (3) connected downstream of this for a crusher unit (7), a discharge conveyor means (8) serving to transport the crushed product therefrom and a support structure (4), on which the previously

5 named components (feeding container, feeding conveyor means, crusher unit and discharge conveyor means) are held,

characterised in that the discharge conveyor means comprises a single discharge conveyor unit (8), which is used for both the drawing and the discharge process and which is constructed to slew as a sub-assembly in the horizontal and vertical direction relative to the support

10 structure (4).

2. Device according to Claim 1, characterised in that the discharge conveyor unit (8) is configured such that it may be slewed during the crushing process.

3. Device according to one of the preceding claims, characterised in that - starting from its straight position, in which it is oriented parallel to the longitudinal extension of the support structure (4) - the discharge conveyor unit (8) can be slewed in horizontal direction respectively around up to 120° in clockwise or counter-clockwise direction.

4. Device according to one of the preceding claims, characterised in that - starting from its

horizontal position, in which it is oriented parallel to the horizontal plane of reference (20) of the support structure (4) - the discharge conveyor unit (8) can be slewed in an angle range between 30° upwards relative to the horizontal plane of reference (20) and 20° downwards relative to the horizontal plane of reference (20).

5. Device according to one of the preceding claims, characterised in that the crusher unit (7), just as the horizontal movement rotational axis (17a) of the discharge conveyor unit (8) for its horizontal movement, is disposed in the last third to last quarter of the longitudinal extension of the support structure (4) on the side remote from the feeding container (2) - viewed in the longitudinal direction of the support structure (4).

6. Device according to one of the preceding claims, characterised in that on the side remote from the feeding container (2) - viewed in the longitudinal direction of the support structure (4) - the crusher unit (7) is fastened on a cantilever arm (4f), which runs at a distance above the support elements (5), via which the support structure (4) is supported on the ground (6), and that the discharge conveyor unit (8) is constructed to slew below the cantilever arm (4f).

5. Device according to one of the preceding claims, characterised in that the crusher unit (7) and the slewing connection holding the discharge conveyor unit (8) are configured such that the crusher axis (7a), in the region of which the horizontal movement rotational axis (17a) of the discharge conveyor unit (8) is also located, lies behind the support elements (16a) - viewed from the feeding container (2) in the longitudinal direction of the support structure (4) and in

the direction of the crusher unit (7) - via which support elements the support structure (4) is supported on the ground (6).

8. Device according to one of the preceding claims, characterised in that on the side remote from the feeding container (2) - viewed in the direction of the longitudinal extension of the support structure - said support structure (4) has a component (4e) in the shape of a "U" with horizontal legs (4f, 4g) and an opening between the legs directed away from the feeding container (2);

5       that the crusher unit (7) is disposed on the upper leg (4f) and that the discharge conveyor unit (8) is held to slew below the crusher unit (7) in the region of the opening between the legs.

9. Device according to one of Claims 1 to 7, characterised in that on the side remote from the feeding container (2) viewed in the direction of the longitudinal extension of the support structure - said support structure (4) has a U-shaped component (4i, 4k) with horizontal legs and an opening directed away from the feeding container (2), the U-shaped component being

5       disposed at a distance above the support elements (16a), via which the support structure (4) is supported on the ground (6);

that on the U-shaped component a guide frame (17) is held, which can be slewed around a horizontal movement rotational axis (17a);

and that the discharge conveyor unit (8) is vertically adjustable relative to the guide frame (17)

10      and is constructed to be capable of following the slewing movement thereof.

10. Device according to one of the preceding claims, characterised in that on the side facing the

feeding container (2), the support structure (4) is configured over a substantial portion of its longitudinal extension, at least in the order of magnitude of 40%, as an open frame with laterally spaced longitudinal beams (4a, 4b) between the feeding container (2) and the end section of the 5 feeding conveyor means (3) on the crusher side.